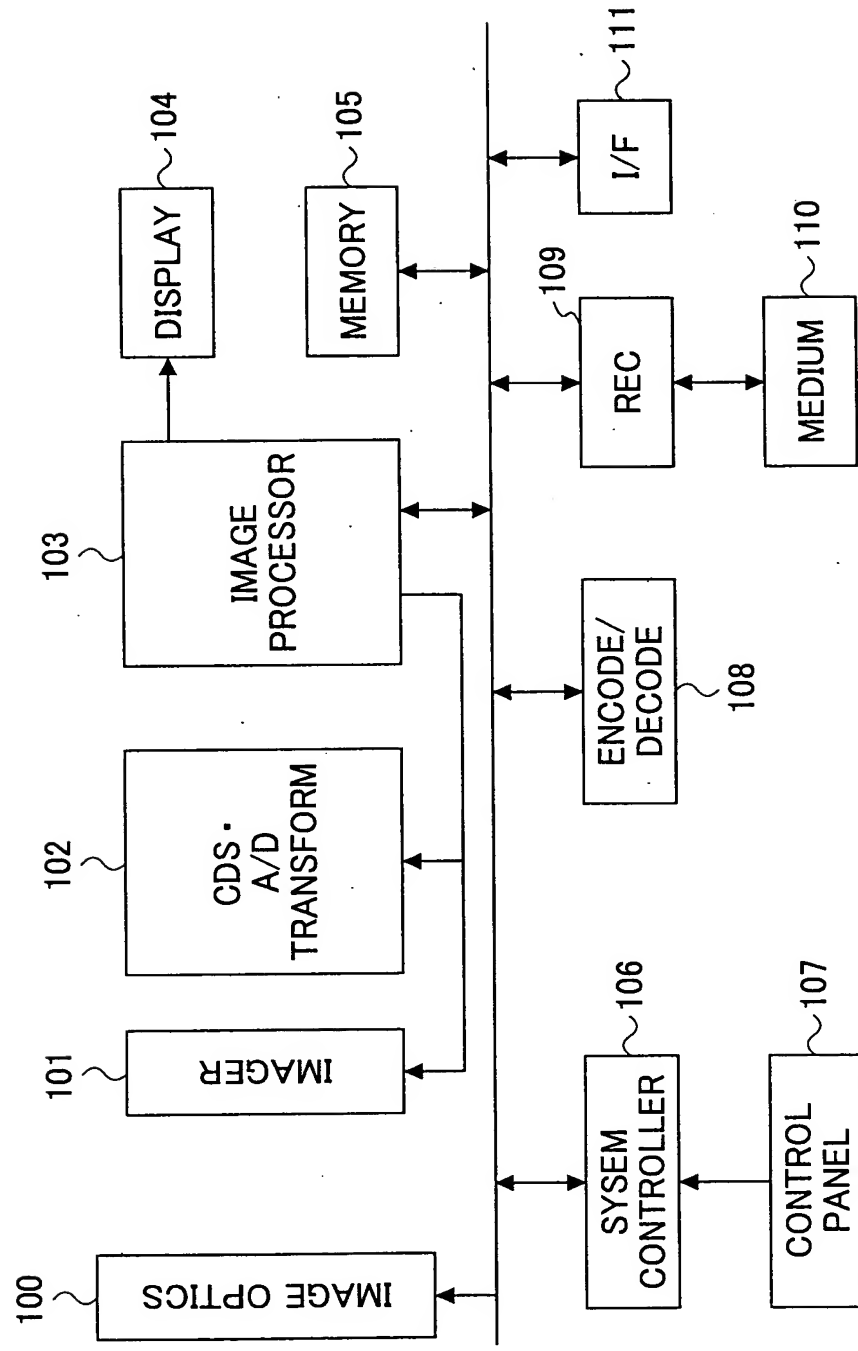


FIG.1



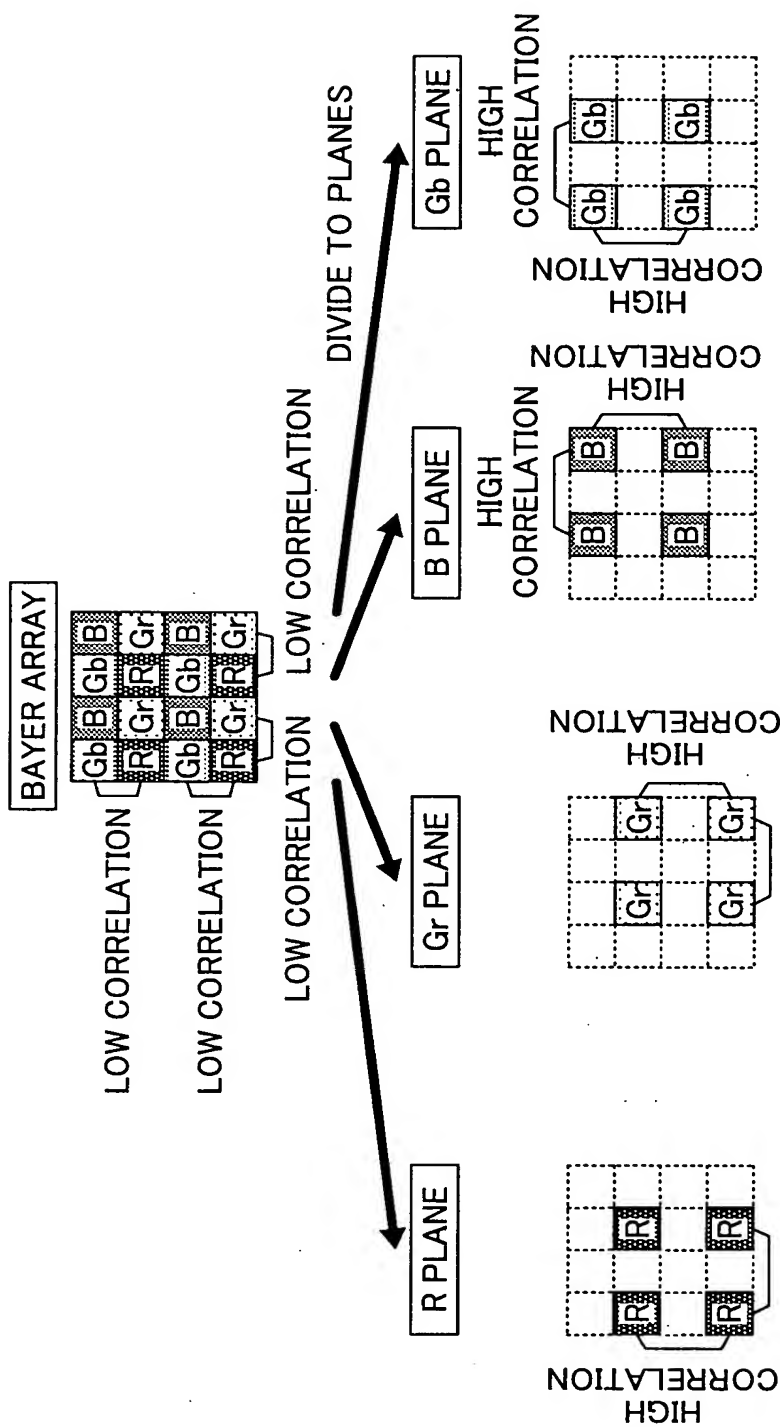


FIG.2A

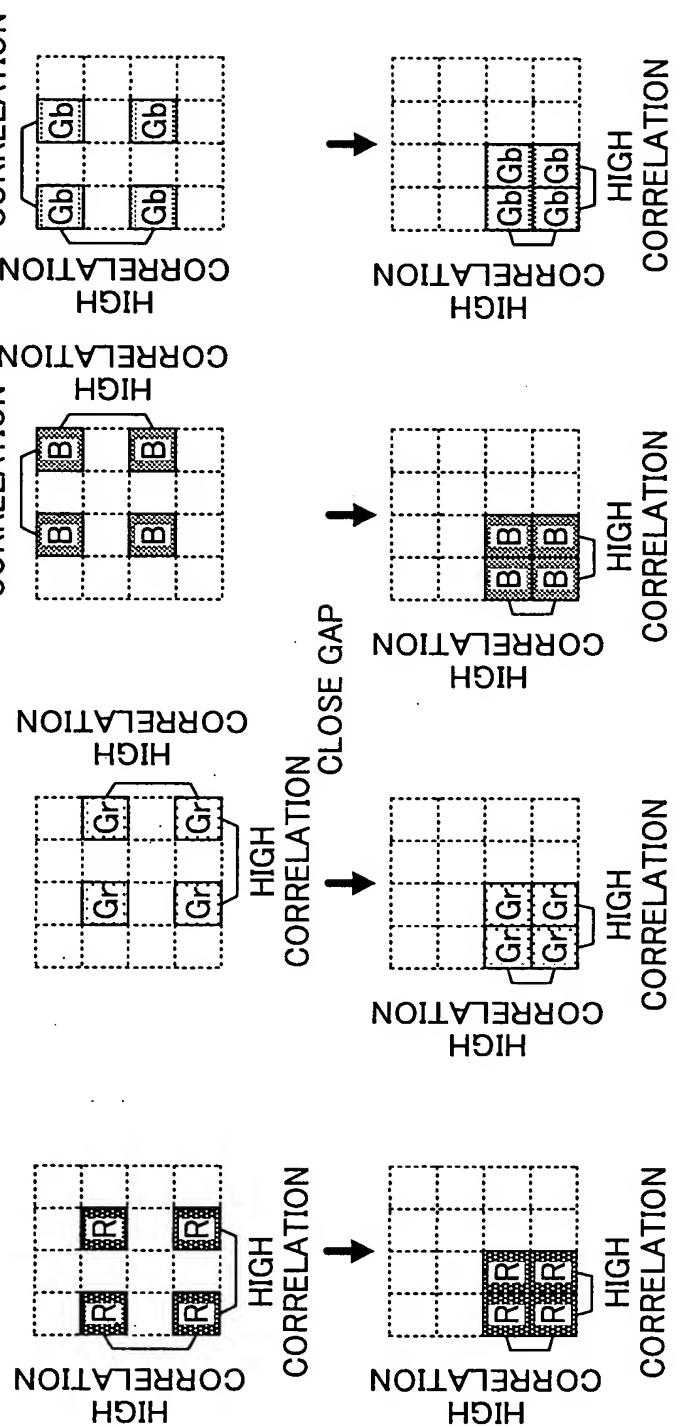


FIG.2B

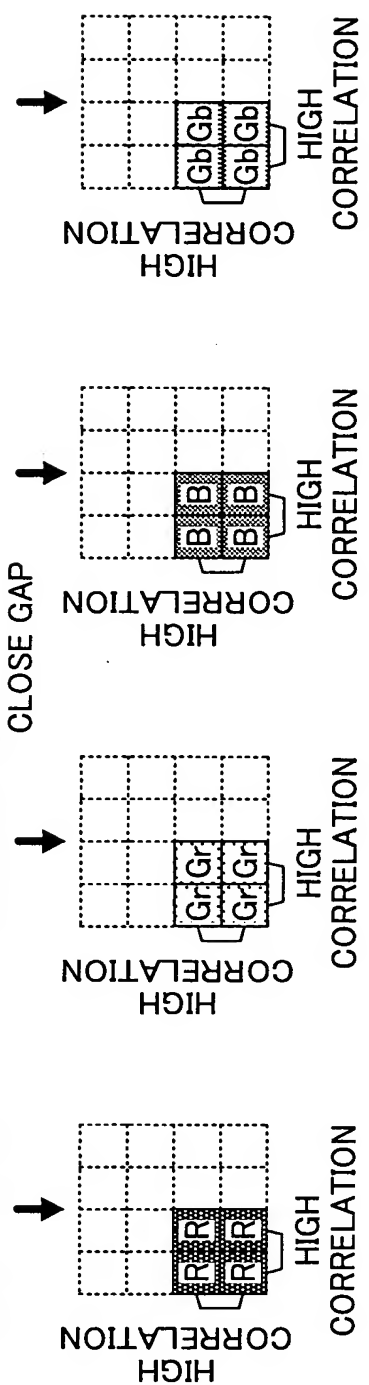


FIG.2C

The diagram illustrates the division of an oblique array into two planes, G and B, based on correlation characteristics.

OBLIQUE ARRAY: The initial array is characterized by **LOW CORRELATION** both horizontally and vertically.

DIVISION: The array is divided into two paths, labeled **LOW CORRELATION LOW CORRELATION**.

G PLANE: The left path results in the G plane, which exhibits **HIGH CORRELATION** horizontally and **LOW CORRELATION** vertically.

B PLANE: The right path results in the B plane, which exhibits **LOW CORRELATION** horizontally and **HIGH CORRELATION** vertically.

Figure 1 consists of three schematic diagrams of a 2D hexagonal lattice, each representing a different plane (G, R, and B) in a crystal structure. The diagrams are arranged vertically.

- G PLANE:** The top diagram shows a hexagonal lattice where only the sites occupied by 'G' atoms are highlighted with solid circles. The 'G' atoms are arranged in a triangular sub-lattice. Brackets indicate 'HIGH CORRELATION' between nearest-neighbor 'G' atoms.
- R PLANE:** The middle diagram shows a hexagonal lattice where only the sites occupied by 'R' atoms are highlighted with solid circles. The 'R' atoms are arranged in a triangular sub-lattice. Brackets indicate 'HIGH CORRELATION' between next-nearest-neighbor 'R' atoms.
- B PLANE:** The bottom diagram shows a hexagonal lattice where only the sites occupied by 'B' atoms are highlighted with solid circles. The 'B' atoms are arranged in a triangular sub-lattice. Brackets indicate 'HIGH CORRELATION' between third-nearest-neighbor 'B' atoms.

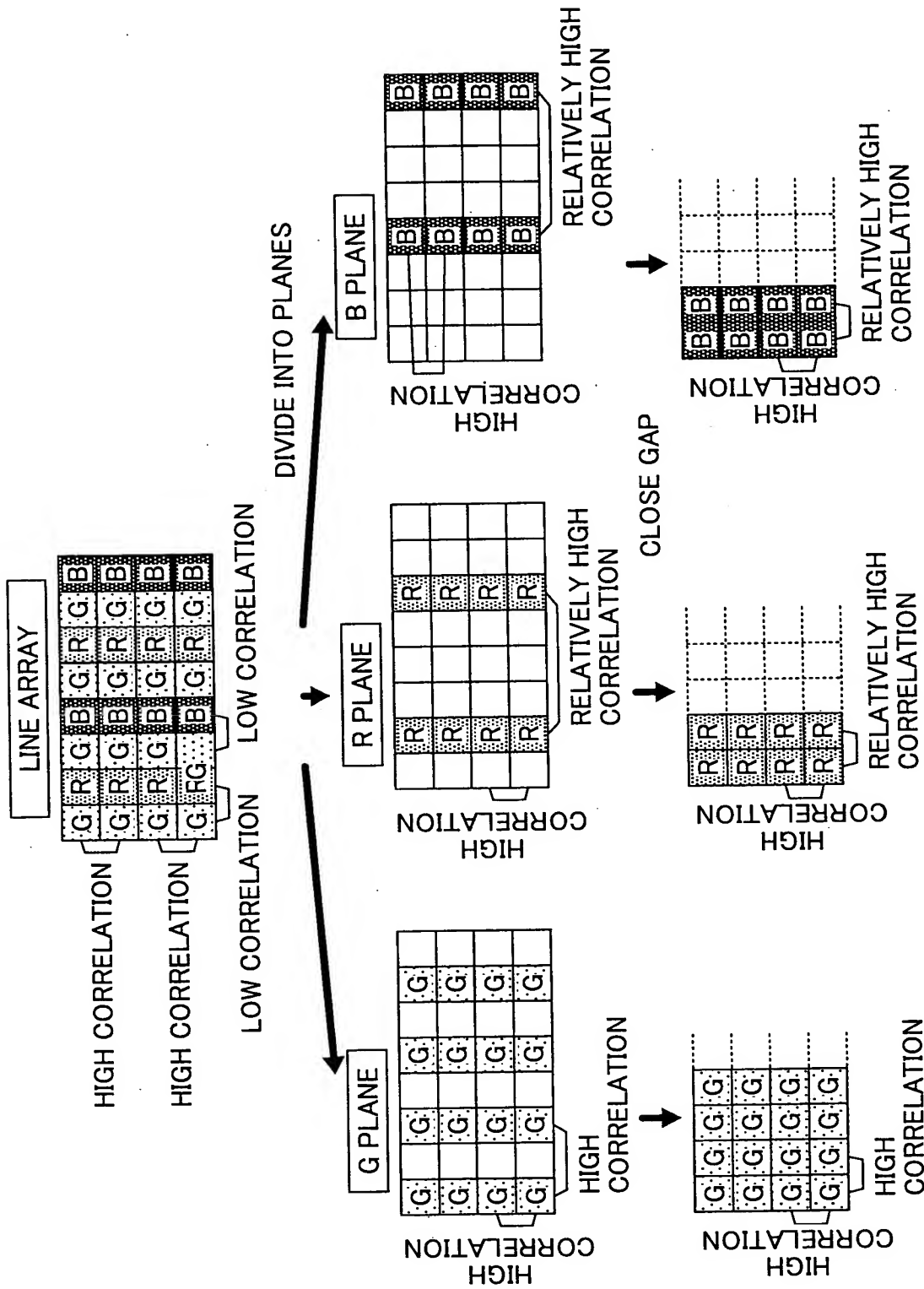


FIG. 4A

FIG. 4B

FIG. 4C

FIG.5

| | | | |
|---|---|---|---|
| G | M | G | M |
| Y | C | Y | C |
| G | M | G | M |
| Y | C | Y | C |

FIG.6

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Y | M | C | G | Y | M | C | G |
| Y | M | C | G | Y | M | C | G |
| Y | M | C | G | Y | M | C | G |
| Y | M | C | G | Y | M | C | G |

FIG.7

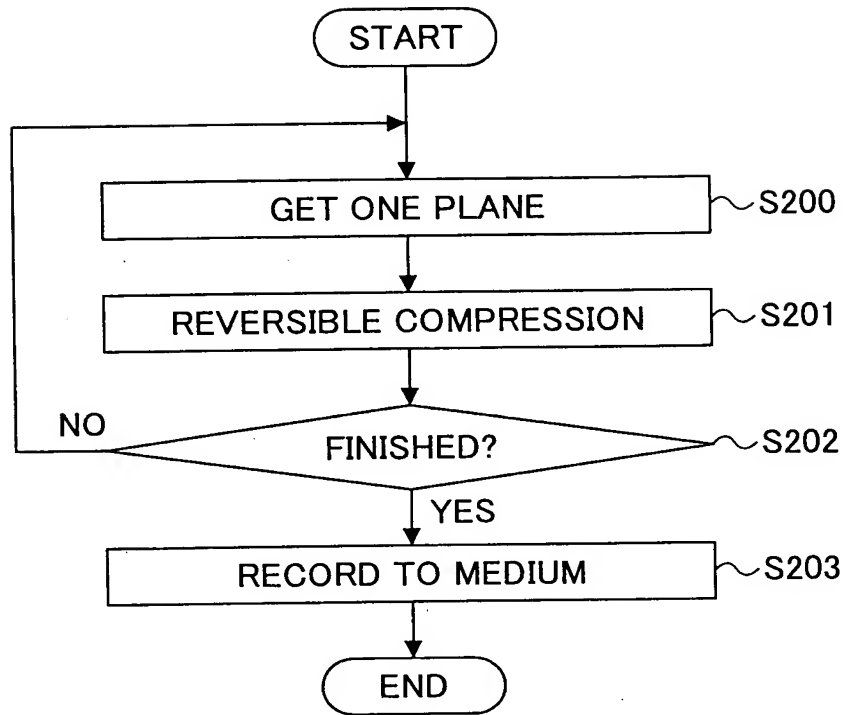


FIG.8

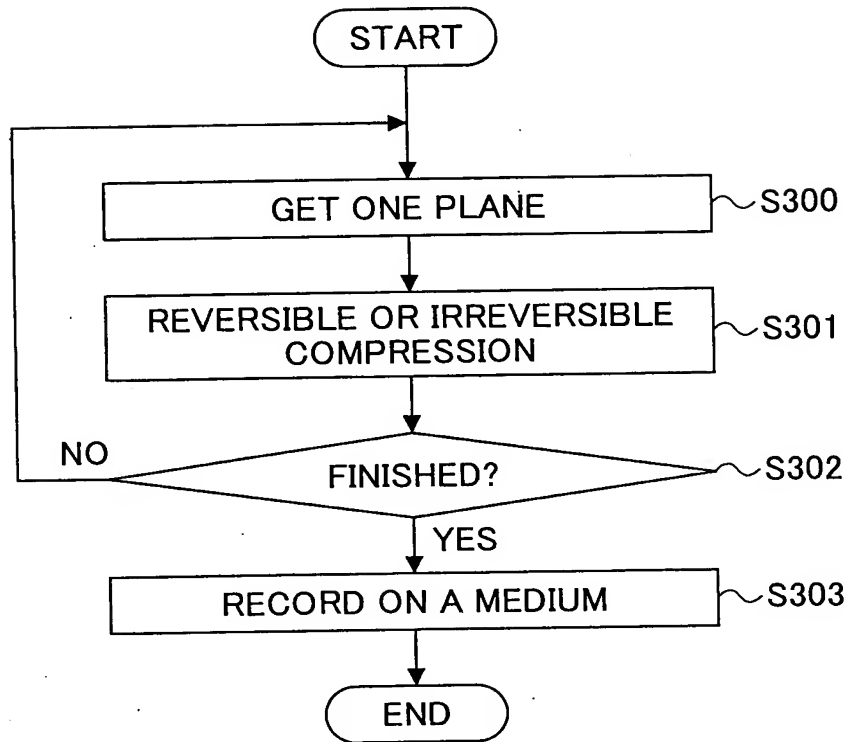


FIG.9

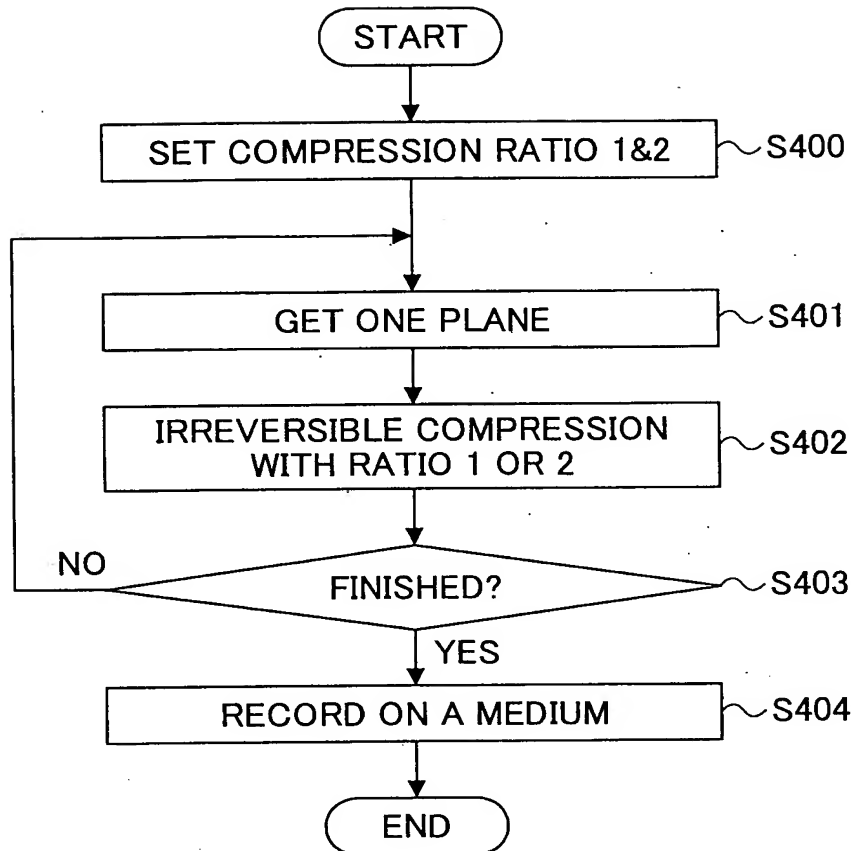


FIG.10

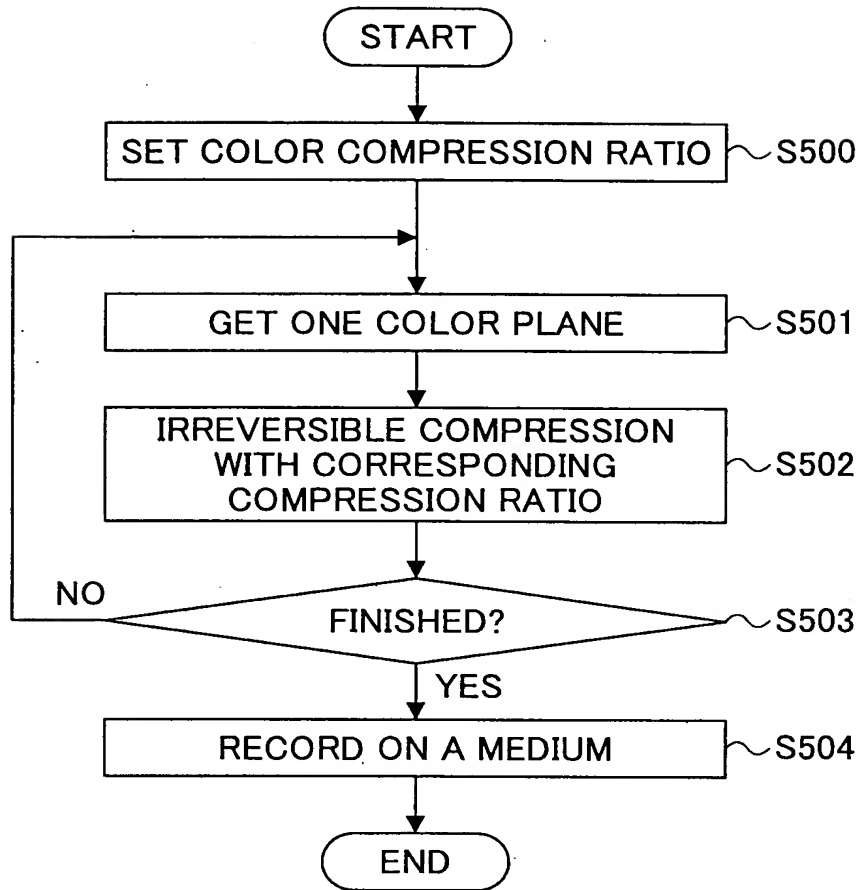


FIG.11

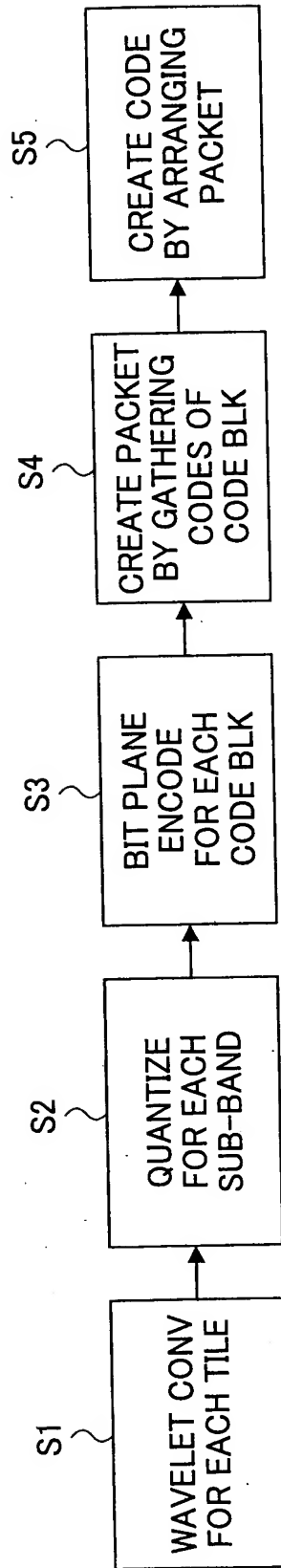
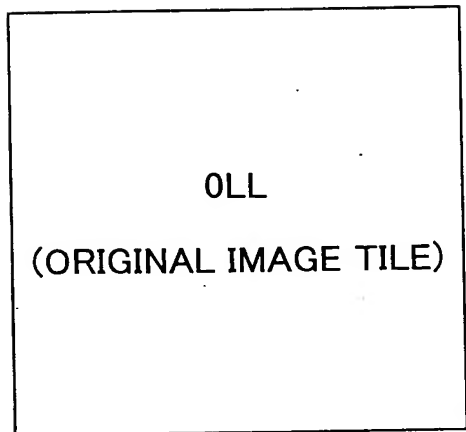
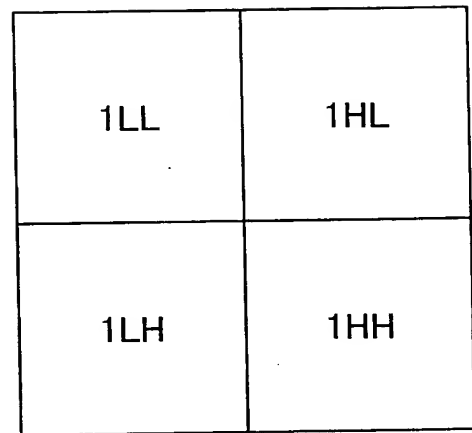


FIG.12A



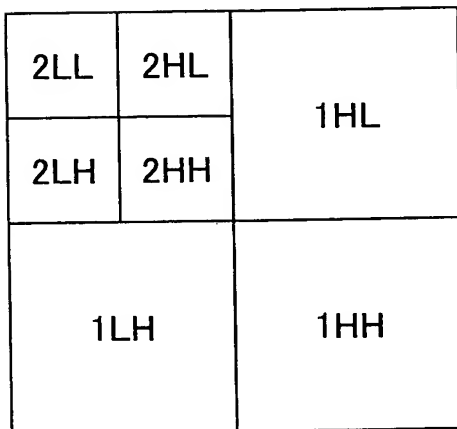
DECOMPOSITION LEVEL=0

FIG.12B



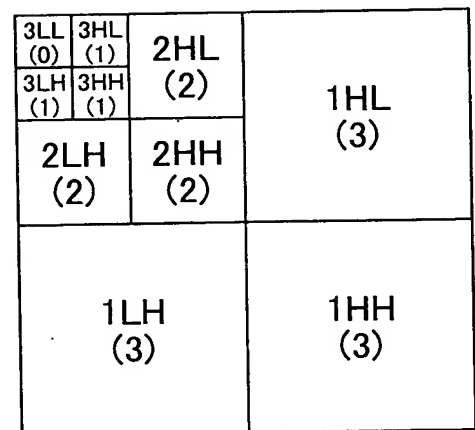
DECOMPOSITION LEVEL=1

FIG.12C



DECOMPOSITION LEVEL=2

FIG.12D



DECOMPOSITION LEVEL=3

FIG.13

CODE FORMAT GENETRAL SCHEMA

| | |
|-----|-------------|
| SOC | MAIN HEADER |
|-----|-------------|

| | | | | | |
|-----|-------------|-----|--|------------|--|
| SOT | TILE HEADER | SOD | | TITLE DATA | |
|-----|-------------|-----|--|------------|--|

| | | | | | | | |
|-----|-------------|-----|--|------------|--|--|--|
| SOT | TILE HEADER | SOD | | TITLE DATA | | | |
|-----|-------------|-----|--|------------|--|--|--|

| | | | | | | |
|-----|-------------|-----|--|------------|--|-----|
| SOT | TILE HEADER | SOD | | TITLE DATA | | EOC |
|-----|-------------|-----|--|------------|--|-----|

FIG.14

